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FEDERAL COMMUNICATIONS COMMISSION  
WASHINGTON, D.C. 20554

DOCKET FILE COPY ORIGINAL

*Docket - 222*

POLICY & PLANNING  
BRANCH ROOM 5202

24 MAR 1993

IN REPLY REFER TO:

7330-7/1700A3

RECEIVED

APR 13 1993

FEDERAL COMMUNICATIONS COMMISSION  
OFFICE OF THE SECRETARY

Honorable Dan Hamburg  
House of Representatives  
Washington, D.C. 20515

Dear Congressman Hamburg:

This is in reply to your letter of February 26, 1993, in which you inquired on behalf of several of your constituents regarding the Notice of Proposed Rule Making (Notice) in PR Docket No. 92-235, 57 FR 54034 (1992). This Notice proposes comprehensive changes to the Commission's Rules governing the private land mobile radio services operating in the frequency bands below 512 MHz.

Your constituents are specifically concerned about the impact of these changes on radio control (R/C) hobby users. Enclosed is a discussion paper concerning our proposals for the 72-76 MHz band. In short, we expect there would be no adverse impact on R/C operations because of any proposal contained in the Notice.

We are, of course, sensitive to the concerns of both users of private land mobile radio spectrum and R/C hobbyists. We will, therefore, take your constituents' concerns into account when we develop final rules in this proceeding. As indicated in the Notice, we remain convinced that without significant regulatory change in radio operations in the bands below 512 MHz, the quality of communications in the private land mobile radio services will continue to deteriorate to the point of endangering public safety and the

# Congressional

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PLEASE MAKE 2 EXTRA COPIES OF INCOMING, ATTACHMENTS,  
AND REPLY FOR DOCKET FILE, ROOM 222.

CONGRESSIONAL CORRESPONDENCE TRACKING SYSTEM  
03/05/93

## LETTER REPORT

CONTROL NO.	DATE RECEIVED	DATE OF CORRESP	DATE DUE	DATE DUE OLA(857)
9301072	03/05/93	02/26/93	03/25/93	

TITLE	MEMBERS NAME	REPLY FOR SIG OF
Congressman	Dan Hamburg	BC

CONSTITUENT'S NAME	SUBJECT
several	inq. comments on PR Docket 92-235

REF TO	REF TO	REF TO	REF TO
PRB/LM 3-9-93			
DATE	DATE	DATE	DATE
03/05/93	3/9/93		

REMARKS:

DAN HAMBURG  
1ST DISTRICT, CALIFORNIA

Congress of the United States  
House of Representatives  
Washington, DC 20515-0501

PRB  
92-235  
1072

February 26, 1993

Mr. Ralph Haller  
Private Radio Bureau  
Federal Communications Commission  
2025 M Street NW  
Room 5002  
Washington, D.C. 20554

Dear Mr. Haller:

Enclosed are numerous letters regarding PR Docket 92-235. My constituents feel that proposed changes by the FCC regarding radio transmissions will adversely affect their hobby of flying radio-controlled airplanes.

I would appreciate a response regarding their concerns. My office is located at 114 Cannon HOB. If you need to contact a member of my staff, please call Paul Andersen at 202-225-3311. I look forward to your letter.

Best Regards,

  
Dan Hamburg  
Member of Congress

DH:pca

ROBERT A. LOCKWOOD  
417 SAINT ANDREWS DR.  
NAPA, CALIFORNIA 94558-1534

February 17, 1993

10/18/93

The Honorable Dan Hamberg  
U. S. House of Representatives  
U. S. House of Representatives  
Washington, D. C 20515

TC 23  
10/18/93  
pca

Dear Mr. Hamberg:

The Federal Communications Commission has recently announced their considerations of weeping changes in the radio frequencies available for flying radio controlled model airplanes.

I am a retired man and derive many happy hours from flying radio controlled models. As a matter of fact I have been a builder and flyer for more than 65 years. Modeling has taught me patience and the infinite necessary for succesful flying. I am active in four different model airplane clubs and founded one of them and was an officer for some six years.

I now own seven complete radio rigs all of which donform to the newest FCC regulations. This is not an isgnificant investment. I understand that four of these radios would be useless under the new proposed FCC rules. I don't know if the remaining threee could be modified to be useful under these new rules. Safety is a prime consideration in model flying and with new frequencies so close together and mobile the safety hazard foulr be greatly increased. For example my newest model weighs 14 pounds and is extimated to fly at 100 miles an hour. By the way it represents an investment of over \$1,000.00/ It has not yet been flown (for reasons of weather) and I'm not happy at the thought and hazard fo flying it under the proposed rules.

Pease give great attention and consideration to the thousands of modelers.

Sincerely,



Robert A. Lockwood

FEB 12 1993

101919

GILBERT M DELAGNES.

FEB 12 1993

101920

February 3, 1993

The Honorable Dan Hamburg  
U.S. House of Rep.  
Washington, D.C. 20515

Re: NPRM-PR Docket 92-235

I am retired and spend a considerable amount of my time at my hobby, which is building and flying radio controlled model planes and gliders. I get a great deal of pleasure from this hobby. I currently own six R/C radio transmitters that would become unusable if this frequency assignment is adopted.

The flying club that I belong to has its flying facilities located about 150 yards from highway 101 south of Ukiah, CA. If

To: The Honorable Mr. Dan Hamburg  
United States House of Representatives  
Washington D.C.

FEB 16 1983

From: S.V. Woods  
P.O. Box 1342  
Eureka, CA 95501

10/702

Dear Representative Hamburg,

I am writing to you regarding the FCC's notice of proposed rule making regarding the allotment of frequencies in the 72 and 75 Mhz bands, PR Docket 92-235.

One of the most enjoyable activities, whose pleasures can only be experienced and not described, is the construction and flying of radio control model airplanes. Several years ago I stabled many aircraft, but now I am an active flier.

I currently own three aircraft, two engines, and a brand-new 6-channel radio system representing some \$800-\$1000 investment. Due to changes in FCC frequency allotment, I was forced to THROW AWAY an older 5-channel system that I had built with my father. So after having purchased the new system, I find that it too may soon become obsolete!

The ONLY place I have to fly is very close to highway 101 near Eureka. If the proposed legislation were adopted, I can only foresee interference on the model channels (specifically channel 16, the one my new radio operates on) and danger of losing control of the aircraft possibly allowing it to crash into highway 101 or worse!

I had to destroy the 5-channel hand-built system mentioned earlier due to ILLEGAL power output operations by citizen's band radio operators in the 27.145 Mhz range. If PR Docket 92-235 becomes law, I feel that I will be again forced to destroy a substantial investment or give up the hobby altogether.

Thank you for your time

MR C.F.NIESEN  
1311 S. Pebble Beach Drive  
Crescent City, Calif.  
95531  
Feb. 8, 1993

10/708

The Honorable Dan Hamburg  
114 Cannon House Office Bldg.  
Washington D.C. 20515

Dear Mr Hamburg

I am enclosing with this letter, a copy of an appeal to the FCC to reconsider the passage and implementation of P.R. Docket 92-235 which will have a detrimental effect on the operation of thousands of model aircraft throughout the country. I know that there are many more uses of the Citizens Band radio frequencies than we use, but since we have been given a block of channels for our use, the new channels proposed for widespread use are so close to our channels as to cause our aircraft to lose control and crash.

In order to protect damage to property and/or injury to pilots or spectators due to radio interference, I, along with other pilots, urge you to use your good offices to help us to urge the FCC and those involved in the passage of this bill to refrain from its passage and consider other means of protecting the use of our block of frequencies. Let me at this time thank you for any effort you can make on our behalf.

Sincerely  
C.F.Niesen

*C.F. Niesen*



MR C.F. NIESEN  
1311 S Pebble Beach Drive  
Crescent City, Calif.  
Feb 8, 1993

Federal Communications Commission  
1919 M St NW  
Washington, D.C.

Dear Commissioner;

I am writing in regard to your proceedings on PR Docket 92-235. I have been involved with Radio Control models for the past forty years, both in flying and in racing sailboats. I am a member of the Academy of Model Aeronautics and at the time I was racing the sailboats I was a member of the American Model

BOB & JEAN GUILFOYLE  
160 N. COURT RD.  
UKIAH, CA 95482

1-28-93

Mr. Dan Hamburg  
U.S. House of Representatives  
Washington, D.C. 20515

Mr. Hamburg:

FEB 03 1993

TCO1 100-4917

I am, and have been for over 60 years, very much interested in aviation in general and most specifically, Radio Controlled Model Airplanes. This hobby of building and flying models created with ones own hands is enjoyed by many hundreds of thousands of youngsters and adults throughout this country.

I am very concerned about proposed rules that are currently under consideration by the Federal Communications Commission (FCC). The proceeding is PR Docket 92-235. If adopted, the new rules

0975

FEB 11 1993

FEB

Paul

101260

FEB 4 1992

HAROLD C. WESTON  
2362 GOOSE ROAD  
MILLITS, CA. 95490

REF. DAN MAYNARD  
U.S. HOUSE OF REPRESENTATIVE  
WASHINGTON D.C. 20540

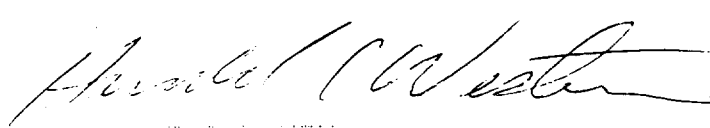
PROPOSED RULE MAKING PR SOCKET 92-235

I AM RETURNED AND DERIVE A GREAT DEAL OF PLEASURE FROM  
THE RADIO CONTROL HOBBY. I AM ACTIVE IN THE INDUSTRY  
OF RADIO CONTROL AIRCRAFT MODELING.

I OWN FOUR PIECES OF RADIO EQUIPMENT THAT WOULD BE  
AFFECTED BY A THE COMMERCIAL USE OF RADIO CHANNELS IN  
THE PROPOSED AREA. THE VALUE OF THIS EQUIPMENT IS IN EXCESS  
OF \$1000.00.

MODEL AIRCRAFT SAFTY IS A GREAT CONCERN TO ALL WHO  
PARTICIPATE IN THE HOBBY. THE PROPOSED FREQUENCIES ARE  
SO CLOSE. INTERFERENCE WILL RENDER MOST MODEL FREQUENCIES  
UNUSABLE AND UNSAFE.

PLEASE ACT WITH FAIRNESS IN PR SOCKET 92-235.



THANK YOU

HAROLD C. WESTON

101260 1061



02/02/93

101704

*File  
TC 01  
PLA*

Dear Congressman Dan Hamburg,

I am retired and derive many hours of enjoyment and relaxation from constructing and flying radio controlled model airplanes. I have been an active modler for over 45 years, I have belonged to several clubs and have served as a club officer and contest director for several years.

In the past four years the F.C.C. has changed and narrowed the frequencys twice, the first time it cost me \$600.00 to upgrade my equipment from colored to numbered frequencys then a little over a year ago they again narrowed the bands to 10Mhz spacing, I had to throw away six radios and it again cost me over \$800.00 to upgrade my equipment. The new proposed F.C.C. reg will cost me over \$2000.00 (10) radios and effect over 200,000 other modelers.

I am very concerned about proposed rules that are currently under consideration by the Federal Communications Commission (FCC). The proceeding is PR Docket 92-235. If adopted, the new rules will greatly reduce the usability of frequencies currently assigned for model use and increase the risk of accidents and attendant liability for controlling model airplanes.

Our radio control frequencies are in the 72 - 76 MHz band. This band is primarily used for private land mobile dispatch operations. However, our radio control frequencies in this band are far enough apart from the land mobile frequencies that we have been able to share the band without either use interfering with the other.

Now the FCC wants to create more land mobile frequencies by splitting them into narrower bandwidths and rearranging the band plan. As a result, many land mobile frequencies will move closer to the radio control frequencies and cause interference to radio control operations. I am told that of the 50 frequencies that are presently available for radio control of model airplanes, only 19 frequencies will be left if these new rules are adopted.

When we fly our model airplanes under radio control, we go to great lengths to assure the safety of the operators and bystanders and the protection of property. Many of our safety precautions involve the careful coordination and use of the radio control frequencies. If the number of usable frequencies is diminished as proposed by the FCC, the remaining frequencies will become congested and the margin of safety will be greatly decreased.

Please understand that many model airplanes have wing spans up to 10 feet and weigh as much as 30 or 40 pounds. The models themselves are expensive to build; but more to the point, they are capable of causing property damage, serious injury, or even death if radio interference causes the operator to lose control of the craft. We often fly our models at organized events and contests where hundreds of operators participate. We need the use of our full complement of radio frequencies in order to assure a safe flying environment.

I do not think it is wise of the FCC to seek to improve the operating conditions of land mobile radio users at the expense of radio control modelers. The FCC may not think we are as important as business users of radios, but we have a considerable investment in our models and in our radio equipment. The hobby provides many hours of enjoyment to thousands of people like myself and contributes to the advancement and development of the commercial aviation industry.

Please help me continue the safe enjoyment of my pastime by not allowing the FCC to carry out its proposals for the 72-76 MHz band.

~~101704~~

Sincerely,

*Ronald R. Keil*

February 10, 1993

The Honorable Dan Hamburg  
U.S. House of Representatives  
Washington, D.C. 20515

FEB 19 1993

Dear Mr. Hamburg,

I am retired and get much enjoyment from building and flying my radio controlled model aircraft. Over the years I have invested approximately \$5,000 in my hobby.

The F.C.C. is considering the authorization of a considerable number of new radio frequencies for mobile radio use that will cause interference with most of the frequencies that I must use. Safety is a prime concern in my hobby because the airplanes I build weigh as much as 15 pounds and fly at speeds up to 60 MPH. This is especially bad because the new frequencies will be for mobile use so I will not be able to assume any area is safe to fly in with most of the radio equipment I have.

If the number of usable frequencies is diminished as proposed by the F.C.C., the remaining frequencies will become congested and the margin of safety will be greatly decreased.

Those of us in this hobby cannot afford an expensive staff of government relations experts to deal with the F.C.C. like the mobile radio industry can. Please help us by not allowing adoption of F.C.C. NPRM PR Docket 92-235 for the 72-76 MHz band.

101706  
Thank you,

Jim Braddock

3024 Indian Hill Road

Clearlake Oaks, CA 95423



The Honorable Dan Hamburg

-2-

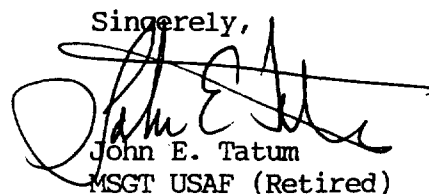
February 7, 1993

Please understand that many model airplanes have wing spans up to 10 feet and weigh as much as 30 or 40 pounds. The models themselves are expensive to build; but more to the point, they are capable of causing property damage, serious injury, or even death if radio interference causes the operator to lose control of the craft. We often fly our models at organized events and contests where hundreds of operators participate. We need the use of our full complement of radio frequencies in order to assure a safe flying environment.

I do not think it is wise of the FCC to seek to improve the operating conditions of land mobile radio users at the expense of radio control modelers. The FCC may not think we are as important as business users of radios, but we have a considerable investment in our models and in our radio equipment. The hobby provides many hours of enjoyment to thousands of people like myself and contributes to the advancement and development of the commercial aviation industry.

Please help me continue the safe enjoyment of my pastime by not allowing the FCC to carry out its proposals for the 72 - 76 MHz band. I will leave you with this thought. Model airplanes don't cause cancer.

Sincerely,



John E. Tatum  
MSGT USAF (Retired)

JT:dt

cc: Ukiah, CA Address

January 28, 1993

The Honorable Dan Hamburg  
U. S. House of Representatives  
Washington, D.C. 20515

663 5 0 234

Dear Congressman Dan:

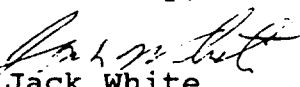
This issue may not get to the point of involving you, but I want to let you know how I and at least 150 other Napa residents feel about it. We belong to clubs which fly model airplanes at Kennedy Park and at the Silverado Middle School.

The Federal Communications Commission is proposing to create some new land mobile frequencies by crowding them into the band used by those of us who fly radio controlled model airplanes. (FCC PR Docket 92-235)

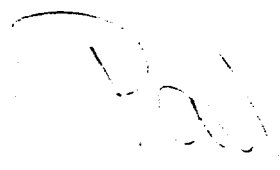
If they proceed with this proposal, it will require us to replace our present expensive radio systems with even more expensive narrow band systems. Even doing this may not prevent crashes caused by interference from the new mobile frequencies.

Building and flying model airplanes is a fascinating and educational hobby for young and old alike, and is indulged in by some half million people in the U.S. Many famous aviators and astronauts got interested in aviation through models. Up to now, it has been a safe hobby, with very few serious accidents, but this could change if the FCC permits mobile land units to transmit on frequencies too close to the ones we use.

Sincerely,

  
Jack White  
4021 Maher St.  
Napa, CA 94558  
(707) 224-0719

10699





January 27, 1993

101922

FEB 10 1993

The Honorable Dan Hamburg  
United States House of Representatives  
Washington, DC 20515

Paul

CM30

Dear Mr. Hamburg:

I have flown radio controlled sailplanes for ten years and have invested thousands of dollars in a very enjoyable sport and hobby. I just heard about PR Docket 92-235, proposed rules under consideration by the FCC.

If adopted, the new rules could be disastrous to the activity enjoyed by

101921

January 31, 1993

FEB 10 1993

Mike Owen  
2151 Grace Drive  
Santa Rosa, CA 95404

Rep. Dan Hamburg  
114 Cannon Office Building  
Washington, D.C. 20515

Dear Rep. Hamburg:

I am writing to you concerning PR Docket 92-235 which has to do with restructuring radio frequencies (by the FCC) which are used in radio control modeling.

I have been an active radio control airplane flyer for about five years and have a large investment in my airplanes and radio equipment. Each airplane (when complete) costs a minimum of \$350 and they are capable of speeds of 60-80 mph, with altitudes of 500-1000 ft.

With the proposed insertion of these "new" frequencies for Land Mobile Service, bracketing the bands which are currently reserved for radio control modeling, it would



*Bryant and Ellaine Thompson*

*The Boondocks*

421 North Harbor Drive, Fort Bragg, CA 95437

(707) 964-8273

101918

January 29, 1993

The Honorable Dan Hamburg  
United States House of Rep.  
Washington D.C. 20515

Sir:

This letter is in reference to NPRM PR Docket 92-235.

I would like to ask you to oppose implementation of this document. I am

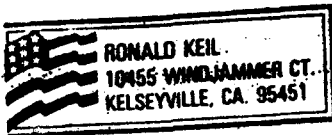
February 8, 1993

The Honorable Dan Hamburg  
114 Cannon House Office Building  
Washington, D.C.

FEB 18 1993

Dear Mr. Hamburg:

I am a very devoted builder and flier of radio controlled airplanes. I also fly full scale airplanes. Flying is



02/02/93

10704

ASSEMBLYMAN  
DAN HAUSER

Dear Assemblyman Dan Hauser,

I am retired and derive many hours of enjoyment and relaxation from constructing and flying radio controlled model airplanes. I have been an active modeler for over 45 years, I have belonged to several clubs and have served as a club officer and contest director for several years.

In the past four years the F.C.C. has changed and narrowed the frequencies twice, the first time it cost me \$600.00 to upgrade my equipment from colored to numbered frequencies then a little over a year ago they again narrowed the bands to 10Mhz spacing, I had to throw away six radios and it again cost me over \$600.00 to upgrade my equipment. This will effect about two-hundred thousand modelers in this country.

I am very concerned about proposed rules that are currently under consideration by the Federal Communications Commission (FCC). The proceeding is PR Docket 92-235. If adopted, the new rules

10-000

Gup

P. O. Box 4294  
3570 Park Street  
Clearlake, CA 95422-4294  
February 7, 1993

The Honorable Dan Hamburg  
1st Congressional District  
U. S. House of Representatives  
114 Cannon House Office Building  
Washington, DC 20515

Dear Representative Hamburg:

I'm a retired Air Force Master Sergeant with a service-connected disability which I received while serving more than twenty years in the military. I don't drink or smoke. I don't fish much any more because the fish are loaded with mercury. I don't hunt because of the injury to my spine and, as a matter of fact, I've seen enough killing in the service. The only recreational avenue open to me is radio-controlled model aircraft and sail boats. If PR Docket 92-235 is allowed to pass, I'll be washed up with my hobby. I just updated all of my eight radios, and I can't afford to do it again. All I will have to look forward to is a pine box, and, of course, my wife gets the flag.

I am very concerned about proposed rules that are currently under consideration by the Federal Communications Commission (FCC). The proceeding is PR Docket 92-235. If adopted, the new rules will greatly reduce the usability of frequencies currently assigned for model use and increase the risk of accidents and attendant liability for controlling model airplanes.

Our radio control frequencies are in the 72 - 76 MHz band. This band is primarily used for private land mobile dispatch operations. However, our radio control frequencies in this band are far enough apart from the land mobile frequencies that we have been able to share the band without either use interfering with the other.

Now the FCC wants to create more land mobile frequencies by splitting them into narrower bandwidths and rearranging the band plan. As a result, many land mobile frequencies will move closer to the radio control frequencies and cause interference to radio control operations. I am told that of the 50 frequencies that are presently available for radio control of model airplanes, only 19 frequencies will be left if these new rules are adopted.

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The Honorable Dan Hamburg

-2-

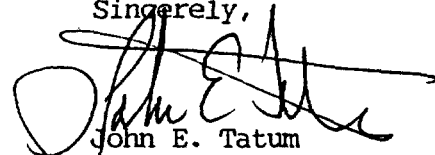
February 7, 1993

Please understand that many model airplanes have wing spans up to 10 feet and weigh as much as 30 or 40 pounds. The models themselves are expensive to build; but more to the point, they are capable of causing property damage, serious injury, or even death if radio interference causes the operator to lose control of the craft. We often fly our models at organized events and contests where hundreds of operators participate. We need the use of our full complement of radio frequencies in order to assure a safe flying environment.

I do not think it is wise of the FCC to seek to improve the operating conditions of land mobile radio users at the expense of radio control modelers. The FCC may not think we are as important as business users of radios, but we have a considerable investment in our models and in our radio equipment. The hobby provides many hours of enjoyment to thousands of people like myself and contributes to the advancement and development of the commercial aviation industry.

Please help me continue the safe enjoyment of my pastime by not allowing the FCC to carry out its proposals for the 72 - 76 MHz band. I will leave you with this thought. Model airplanes don't cause cancer.

Sincerely,



John E. Tatum  
MSGT USAF (Retired)

JT:dt

cc: Ukiah, CA Address

101924

FEB 19 1993

Joseph Beckner, DDS (Retired)  
830 Malaga Dr.  
Ukiah, CA 95482

February 10, 1993

Congressman DAN Hamburg  
114 Cannon House Office Building  
Washington, D. C.

Dear Congressman Hamburg:

The Federal Communications Commission has issued a Notice of Proposed Rule Making (PR Docket 92-235) which, if carried out, would probably <sup>be</sup> the end of a hobby which I love: The flying of radio controlled model airplanes.

This proposal would put mobile transmitters almost four times the power of ours only 2.5 kHz away from the frequencies we use. This means that a powerful transmitter going by when we are flying a RC plane could overpower our transmissions and down our plane out of control. Planes 5 to 15 pounds flying up to 60 MPH can have serious consequences when control is lost!

Please don't let them kill our wonderful hobby!

Sincerely,

Joseph Beckner



The Honorable Dan Hamburg  
United States House of Representatives  
Washington, D.C. 20515

REF: FEDERAL COMMUNICATIONS COMMISSION  
NMFR - PR DOCKET 92-235

101838  
01/18  
PCA

Dear Dan Hamburg,

It has come to my attention that rule changes proposed in the referenced item, concerning the assignment of additional radio transmitting frequencies, will have a very devastating impact on radio controlled aircraft operations.

I'm one of several hundred thousand people in the U.S. flying radio controlled model aircraft, under the supervision of the Academy of Model Aeronautics. The Academy establishes rules for operation of models and specifications for radio equipment, and insures those members who operate in compliance with those rules.

The proposed frequencies, which will be assigned to mobile operators, are too close to several of the frequencies now assigned and in use by radio controlled aircraft. Radio interference from the additional channels will compromise the outstanding safety record that we have enjoyed in the past. The Academy as well as the equipment manufacturers have stated that the equipment cannot be maintained free from interference at the proposed frequency spacing, and therefore should not be operated if these rules take effect.

This will obsolete for the second time in the last five years Radio equipment used in this hobby/sport. I would be very appreciative if when you review the proposal you take this into consideration

Sincerely Yours,



Hal Okert  
1917 Las Lanas Ln.  
Fullerton, CA 92633